

Comparisons of Job Characteristics

Focus Occupation: [Chemistry Teachers, Postsecondary \(25-1052\)](#)

Associated Occupation: [Graduate Teaching Assistants \(25-1191\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 47

Focus Occupation: Chemistry Teachers, Postsecondary (25-1052)

Associated Occupation: Graduate Teaching Assistants (25-1191)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Education and Training	9.2	17.8	20.7	>	Current knowledge level is likely sufficient
English Language	11.2	16.7	18.1	0	Current knowledge level may be sufficient
Computers and Electronics	8.4	14.4	12.8	<	Expanded education and/or training may be required
Psychology	6.4	11.7	7.4	<<	Extensive education and/or training may be required
Communications and Media	5.3	9.2	9.0	0	Current knowledge level may be sufficient
Sociology and Anthropology	4.1	8.9	4.3	<<	Extensive education and/or training may be required
Philosophy and Theology	3.2	7.6	3.8	<<	Extensive education and/or training may be required
History and Archeology	2.6	5.2	3.9	<<	Extensive education and/or training may be required
Foreign Language	2.7	4.0	3.4	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Chemistry Teachers, Postsecondary (25-1052)

Associated Occupation: Graduate Teaching Assistants (25-1191)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Reading Comprehension	10.7	12.3	18.5	>>	Skill level is likely more than sufficient
Instructing	7.8	10.8	15.4	>>	Skill level is likely more than sufficient
Writing	9.2	10.2	14.9	>>	Skill level is likely more than sufficient

Social Perceptiveness	9.1	9.5	10.1	0	Current skill level may be sufficient
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 97			
Focus Occupation: Chemistry Teachers, Postsecondary (25-1052) Associated Occupation: Graduate Teaching Assistants (25-1191)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	14.5	19.4	>>	Current ability level is likely more than sufficient
Oral Comprehension	12.5	13.4	18.3	>>	Current ability level is likely more than sufficient
Written Comprehension	11.0	12.1	17.3	>>	Current ability level is likely more than sufficient
Written Expression	9.8	11.5	16.6	>>	Current ability level is likely more than sufficient
Speech Clarity	10.2	11.1	15.9	>>	Current ability level is likely more than sufficient
Fluency of Ideas	7.6	8.1	8.3	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 95
Focus Occupation: Chemistry Teachers, Postsecondary (25-1052) Associated Occupation: Graduate Teaching Assistants (25-1191)		
Work Activities	Exclusivity of Activity	
Collect academic research data	62	
Conduct laboratory research or experiments	57	
Convert information into instructional program	38	
Design classroom presentations	45	
Develop course or training objectives	42	
Develop instructional materials	38	
Evaluate student performance	46	
Maintain educational records, reports, or files	43	
Make education presentations	46	
Organize educational material or ideas	41	
Prepare educational reports	44	
Record student progress	46	
Teach college level courses	54	
Use computers to enter, access or retrieve educational data	46	

Use oral or written communication techniques	1
Use public speaking techniques	13
Use teaching techniques	29

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Chemistry Teachers, Postsecondary (25-1052)

Associated Occupation: Graduate Teaching Assistants (25-1191)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.